

2022

5th Semester Examination
NUTRITION (Honours)

Paper : DSE 2-T

[CBCS]

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

[Quality Assurance in Food Sectors]

Full Marks : 60

Time : Three Hours

Group - A

Answer any *ten* of the following questions :

2×10=20

1. Write the name of any two food safety authorities of India.
2. Enumerate the term 'Safe Food'.
3. Define quality assurance.
4. What is meant by intra-assay variation ?
5. What is SOP ?
6. What is GLP ?

P.T.O.

(7)

Or,

[Food Quality and Sensory Evaluation]

Full Marks : 40

Time : Two Hours

Group - A

1. Answer any *five* of the following questions : $2 \times 5 = 10$

- (a) Mention the location and function of sublingual gland.
- (b) Name the four basic qualities of taste sensation.
- (c) Differentiate between absolute and recognition threshold.
- (d) Define olfaction.
- (e) What is meant by taste abnormality ?
- (f) Which neural pathway does not contain third order neuron ? State its area of perception in our brain.
- (g) What is spectrophotometry ? Mention one use of spectrophotometry.
- (h) Write down any two major importance of the food texture.

appreciate the food

Group - B

2. Answer any *four* of the following questions : $5 \times 4 = 20$

- (a) Which papilla does not contain taste bud ? Write the EM structure of taste bud.

1+4
P.T.O.

- (b) What is reaction time ? Discuss the role of any four factors affecting taste quality. 1+4
- (c) Define texture. Briefly state the physiology of texture perception. 1+4
- (d) What is time-intensity profiling in sensory evaluation ? Write the importance of colour on food. 3+2
- (e) Classify texture. Write the application of texture measurement in dairy. 3+2
- (f) State the location of taste buds over the tongue. What is agusia ? 4+1

Group - C

3. Answer any *one* of the following questions : 10×1=10

- (a) (i) What is hyposmia ?
- (ii) Describe the neural mechanism of olfaction in men. 2+8
- (b) (i) What do you mean by electronic tongue ? 2+1
What is 'Munsell color system' ?
- (ii) State the neural pathway of gustation with suitable diagram. ~~2+1+5+2~~ 5+2

